

## Page 1 of 1

All amounts are calculated in domestic currency.

All Item ID/GL/WOs All Rec. Employees All Currencies

[illegible]



# DELIVERY - CLIENT

CO00036179

**Customer N°** CL10001056  
**Date** 2017/06/15  
**Delivery date** 2017/06/20  
**Your order N°** 36707

**Processed by** Josianne Bourdon  
**Salesman**  
**Carrier** OUELLETTE VALLEYFIELD  
**Credit Terme** Net 30 Days  
**Page** 1

## Billed to

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

## Shipped to

1270 ABERDEEN  
HAWKESBURY

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Delivery Route** 5

**Instruction** F-M

Product Description	Weight	Qty	U/M	PCS NB		Internal Use Only			
				CMD	EXP	B/O	IN	I	S C
1 ALU SHEET .040 (18G) 2024-T3 4B (4 X 12) FEAL-0404122024B 3118 1 X 4' X 12' HEAT: (219547B7)	27.02	48.00	PI2_\$CLB						
2 PLAT SS 304 5/8 X 3 (12X) N 1 X 12' R/L HEAT: 56170113 OK	1.00	UN	UN						
3 ROUND SS 3/4 304 (12R) RSS-34-12 5759 2 X 12' R/L HEAT: C1-4835 OK	36.05	24.00	PI_\$CLB						
4 SHEET SS 16G 55304 2B (4 X 8) FESS-16C483042B 3419 2 X 4' X 8' HEAT: 849874 OK	168.00	64.00	PI2_\$CLB						
5 ALU SHEET .040 (18G) 5052-H32 (4 X 8) FEAL-040405052 3124 2 X 4' X 8' HEAT: JA366-2-5-1 OK	36.03	64.00	PI2						

NIR : R-109516-6

Next Page...

SHIP TO:

**KAISER  
ALUMINUM**

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

SOLD TO:

**CERTIFIED TEST REPORT**Serial Number  
4465899

CUSTOMER PO NUMBER: C74254-4	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD: 103945/13	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1236242-4	SHIP DATE: 7-JUN-2017	ALLOY: 2024	CLAD: BARE	TEMPER: T3
PRODUCT DESCRIPTION: HT Flat Sheet				
WEIGHT SHIPPED: 2950 LB	QUANTITY: 106 PCS EST.	TRUCK B/L #: 2067265	GUAGE: 0.0400 IN (1.0160 MM)	DIAMETER/WIDTH: 48.000 IN (1219.2 MM)
			LENGTH: 144.000 IN (3657.6 MM)	

MHU 2116170; LOT/219547B7: 106 pieces; **0263517****Certified Specifications**✓ AMS 4037/RevQ  
CMMP 019/RevD✓ AMS-QQ-A-250/4/RevB  
✓ CMMP 025/RevV✓ **ASTM B 209/Rev14**

Test Code: 1504

Lot: **219547B7** Cast 433

Drop 09

Test Results

Ingot 1

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	88.3 : 69.0 (471 : 476)	48.8 : 47.2 (323 : 325)	17.5 : 19.1

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.21	4.6	0.57	1.3	0.01	0.11	0.02	0.01	0.01	TOT 0.04

**ALLOY LIMITS**

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder

# KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number

4465899

### CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- \* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- \* All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- \* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- \* has been thermally processed in compliance with AMS 2772, where applicable.
- \* is mercury free, within the limits of detection of ASTM E1215 (< 1 ppm).
- \* is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- \* is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- \* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- \* is free of weld repair.
- \* meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.



JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M2024+35.040  
 DATE: JUN 27 2017

PO / BATCH NO.: 0036707/M137884

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 4859ft  
 QUANTITY INSPECTED: 4859ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040  
 THICKNESS RECEIVED: .038  
 SHEET SIZE ORDERED: 4x12'  
 SHEET SIZE RECEIVED: 4x12'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	AS tm B209
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	H7# 219547B7
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>5</u> DATE: <u>JUN 27 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

**SPECIFICATION CONTROL DRAWING**

PURCHASE MATERIAL: 2024-T3 ALUMINUM SHEET

SPECIFICATION: QQ-A-250/4 OR AMS-QQ-A-250/4  
OR AMS-4837  
OR ASTM B209

PART NUMBER: M2024T3S | XXX THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M2024T3S.063

PREFERRED SIZE: .XXX BY 4FT BY 10FT

**RELEASED**  
2009-03-23  
JNF

B	REFORMAT DWG. ADD ASTM B209 SPEC (2N D8-1). PAR	CP	09.07.07
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.07		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M2024T3S			
TITLE 2024-T3 SHEET SPEC			
REV. B			
SHEET 1 OF 1			
SCALE NTS			

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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO36707**

Purchase Order Date 6/15/2017

PO Print Date 6/15/2017

Page Number 1 of 5

**Order From :**

VC-CAM002

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**JUN 15 2017**

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx Economy collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**


FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M2024T3S.040 ✓	2024-T3 .040 sheet	6/26/2017 Yes 6/26/2017		48.00 sf ✓	\$11.44	\$549.02
MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209							
Line Total:							\$549.02
2	M304B0.625X3.000 ✓	304 BAR .625 X 3.00 ✓	6/26/2017 Yes 6/26/2017		12.00 r ✓ new 12.9.	\$24.25	\$291.00
MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240							
NOTE: AISI 303 NOT ACCEPTABLE							
Line Total:							\$291.00

**PO Instructions:** QUOTATION: SOU0039744, SOU0039961

**Note:**

6/15/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
  
**Purchase Order ID PO36707**  
  
Purchase Order Date 6/15/2017  
PO Print Date 6/15/2017  
  
Page Number 2 of 5

**Order From :**  
ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

VC-CAM002

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 800 667 4248  
  
**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** FedEx Economy collect  
**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA – (Free Carrier)

3
M304RO.750
304 SS Roundbar .750
6/26/2017
24.00
\$4.66
\$111.73

Yes  
6/26/2017

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276  
(NOTE: AISI 303 NOT ACCEPTABLE)

*new 24.8f*

**Line Total:** \$111.73

4
M304S16GA
304/316 Sheet .063
6/26/2017
64.00
\$6.51
\$416.56

Yes  
6/26/2017

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED  
SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
ORASTMA240  
OR ASME SA240

**Line Total:** \$416.56

5
M5052H32S.040
5052-H32 .040 Sheet
6/26/2017
64.00
\$2.65
\$169.60


Yes  
6/26/2017

MATERIAL: 5052-H32 ALUMINUM SHEET AS PER  
QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209

*SP17-6-20*

**PO Instructions:** QUOTATION: SOU0039744, SOU0039961  
  
**Note:**





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36707

Purchase Order Date 6/15/2017

PO Print Date 6/15/2017

Page Number 3 of 5

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

800 667 4248

FedEx Economy collect

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30


CAD

FCA - (Free Carrier)

						Line Total:	\$169.60
6	M6061T6B0.375X01.000	6061T6 BAR .375 x 1.00	6/26/2017	40.00	Yes	\$1.12	\$44.81
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR							
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116							
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR							
ASTM B221							
						Line Total:	\$44.81
7	M6061T6R0.625	6061-T6 Round Bar .625"	6/26/2017	20.00	Yes	\$0.97	\$19.49
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR							
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116							
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR							
ASTM B221							
						Line Total:	\$19.49

PO Instructions: QUOTATION: SOU0039744, SOU0039961

Note:



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36707

Purchase Order Date 6/15/2017

PO Print Date 6/15/2017

Page Number 4 of 5

Order From :
VC-CAM002
Ship To : DART AEROSPACE LTD

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name
Vendor Phone

800 667 4248

Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

FedEx Economy collect

Buyer
Customer POID
Customer Tax #
Terms
Currency
FOB

Chantal Lavoie
10127-2607
Net 30
CAD
FCA - (Free Carrier)

8
M6061T6R3.500
6061 RD bar 3.50
6/26/2017
Yes
6/26/2017
12.00
f
\$35.17
\$422.00

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total:

\$422.00

9
71900-90
TUBE ROUND 3.500" OD  
X .250" HSS
6/26/2017
Yes
6/26/2017
1.00
Each
\$166.74
\$166.74

1 LENGHT 24 FT

Deliver To: IAN

8817-6-20

Line Total: \$166.74

PO Instructions: QUOTATION: SOU0039744, SOU0039961

Note:



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO36707**

Purchase Order Date 6/15/2017

PO Print Date 6/15/2017

Page Number 5 of 5

**Order From :**

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

VC-CAM002

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx Economy collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

10 71401-45

PROCUREMENT  
QUALITY CLAUSES

6/26/2017

1.00

\$0.00

\$0.00

No

6/26/2017

**Procurement Quality Clauses**

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality document

8217-16-20

Line Total:

\$0.00

PO Total:

\$2,190.95

**PO Instructions:** QUOTATION: SOU0039744, SOU0039961

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr:

5

Change Date: 6/15/2017